BRUHAT BANGALORE MAHANAGARA PALIKE

Name of work: Improvements to Roads of Sahakaranagara F Block and G Block (Except Roads Executed by PWD & Road Infrastructure Department) in Ward No 07 Byatarayanapura.

PRE. **MEASUREMENTS SHEETS**

[Pick the date]

Estimate cost: 49.50 **lakhs**

Ward 7 byatarayanapura

KRIDL.

007 - 18 - 000038

1st & final.

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to Roads of Sahakaranagara F Block and G Block (Except Roads Executed by PWD & Road Infrastructure Department) in Ward No 07 Byatarayanapura.

Measurements Taken On :

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
Item no.01		Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications and as per the directions of the Engineer-in-charge of the work .							
		Sahakara Nagar F Block							
		10th Cross 15th Main Road							
		LHS							
0	30		cum	1	30.00	0.50	0.50	7.50	
30	60		cum	1	30.00	0.50	0.50	7.50	
60	90		cum	1	30.00	0.50	0.50	7.50	
90	120		cum	1	30.00	0.50	0.50	7.50	
120	150		cum	1	30.00	0.50	0.50	7.50	
150	180		cum	1	30.00	0.50	0.50	7.50	
180	209		cum	1	29.00	0.50	0.50	7.25	
		RHS							
0	30		cum	1	30.00	0.50	0.50	7.50	
30	60		cum	1	30.00	0.50	0.50	7.50	
60	90		cum	1	30.00	0.50	0.50	7.50	
90	120		cum	1	30.00	0.50	0.50	7.50	
120	150		cum	1	30.00	0.50	0.50	7.50	
150	180		cum	1	30.00	0.50	0.50	7.50	
180	209		cum	1	29.00	0.50	0.50	7.25	
		13th 15th Main Road							
		LHS							
0	30		cum	1	30.00	0.50	0.50	7.50	
30	60		cum	1	30.00	0.50	0.50	7.50	
60	90		cum	1	30.00	0.50	0.50	7.50	
90	120		cum	1	30.00	0.50	0.50	7.50	
120	150		cum	1	30.00	0.50	0.50	7.50	
150	180		cum	1	30.00	0.50	0.50	7.50	
180	196		cum	1	16.00	0.50	0.50	4.00	
		RHS							
0	30		cum	1	30.00	0.50	0.50	7.50	
30	60		cum	1	30.00	0.50	0.50	7.50	
60	90		cum	1	30.00	0.50	0.50	7.50	
90	120		cum	1	30.00	0.50	0.50	7.50	
120	150		cum	1	30.00	0.50	0.50	7.50	
150	180		cum	1	30.00	0.50	0.50	7.50	
180	196		cum	1	16.00	0.50	0.50	4.00	

202.5

Contactor PMC

Assistant Executive Engineer, R.R. Nagar, Sub-division, KRIDL, BBMP, Bangalore

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
		11th A Cross 17th Main Road							
		LHS							
0	30		cum	1	30.00	0.50	0.50	7.50	
30	60		cum	1	30.00	0.50	0.50	7.50	
60	90		cum	1	30.00	0.50	0.50	7.50	
90	108		cum	1	18.00	0.50	0.50	4.50	
		RHS							
0	30		cum	1	30.00	0.50	0.50	7.50	
30	60		cum	1	30.00	0.50	0.50	7.50	
60	90		cum	1	30.00	0.50	0.50	7.50	
90	108		cum	1	18.00	0.50	0.50	4.50	
		12th Cross 16th Main Road							
		LHS							
0	30		cum	1	30.00	0.50	0.50	7.50	
30	60		cum	1	30.00	0.50	0.50	7.50	
60	90		cum	1	30.00	0.50	0.50	7.50	
90	114		cum	1	24.00	0.50	0.50	6.00	
		RHS							
0	30		cum	1	30.00	0.50	0.50	7.50	
30	60		cum	1	30.00	0.50	0.50	7.50	
60	90		cum	1	30.00	0.50	0.50	7.50	
90	114		cum	1	24.00	0.50	0.50	6.00	
		13th A Cross 16th Main Road							
		LHS							
0	30		cum	1	30.00	0.50	0.50	7.50	
30	60		cum	1	30.00	0.50	0.50	7.50	
60	90		cum	1	30.00	0.50	0.50	7.50	
90	118		cum	1	28.00	0.50	0.50	7.00	
		RHS							
0	30		cum	1	30.00	0.50	0.50	7.50	
30	60		cum	1	30.00	0.50	0.50	7.50	
60	90		cum	1	30.00	0.50	0.50	7.50	
90	118		cum	1	28.00	0.50	0.50	7.00	
		11th E Cross 15th Main Road							
		LHS							
0	30		cum	1	30.00	0.45	0.45	6.08	
30	60		cum	1	30.00	0.45	0.45	6.08	
60	90		cum	1	30.00	0.45	0.45	6.08	
90	120		cum	1	30.00	0.45	0.45	6.08	
120	150		cum	1	30.00	0.45	0.45	6.08	
150	156.7		cum	1	6.70	0.45	0.45	1.36	
156.7	186.7		cum	1	30.00	0.45	0.45	6.08	
186.7	216.7		cum	1	30.00	0.45	0.45	6.08	
216.7	246.7		cum	1	30.00	0.45	0.45	6.08	
246.7	267.7		cum	1	21.00	0.45	0.45	4.25	
								224.25	

Assistant Executive Engineer, R.R. Nagar, Sub-division, KRIDL, BBMP, Bangalore

Contactor PMC

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
		RHS							
0	30		cum	1	30.00	0.45	0.45	6.08	
30	60		cum	1	30.00	0.45	0.45	6.08	
60	90		cum	1	30.00	0.45	0.45	6.08	
90	120		cum	1	30.00	0.45	0.45	6.08	
120	150		cum	1	30.00	0.45	0.45	6.08	
150	156.7		cum	1	6.70	0.45	0.45	1.36	
156.7	186.7		cum	1	30.00	0.45	0.45	6.08	
186.7	216.7		cum	1	30.00	0.45	0.45	6.08	
216.7	246.7		cum	1	30.00	0.45	0.45	6.08	
246.7	267.7		cum	1	21.00	0.45	0.45	4.25	
		Chithrakota Apartment Shanthisagar Hotel Cross Road							
		LHS							
0	30		cum	1	30.00	0.45	0.45	6.08	
30	60		cum	1	30.00	0.45	0.45	6.08	
60	79		cum	1	19.00	0.45	0.45	3.85	
		RHS							
0	30		cum	1	30.00	0.45	0.45	6.08	
30	60		cum	1	30.00	0.45	0.45	6.08	
60	79		cum	1	19.00	0.45	0.45	3.85	
		11th Cross 18th Main Road							
		LHS							
0	30		cum	1	30.00	0.45	0.45	6.08	
30	60		cum	1	30.00	0.45	0.45	6.08	
60	90		cum	1	30.00	0.45	0.45	6.08	
90	96.3		cum	1	6.30	0.45	0.45	1.28	
96.3	126.3		cum	1	30.00	0.45	0.45	6.08	
126.3	156.3		cum	1	30.00	0.45	0.45	6.08	
156.3	186.3		cum	1	30.00	0.45	0.45	6.08	
186.3	213.3		cum	1	27.00	0.45	0.45	5.67	
		RHS							
0	30		cum	1	30.00	0.45	0.45	6.08	
30	60		cum	1	30.00	0.45	0.45	6.08	
60	90		cum	1	30.00	0.45	0.45	6.08	
90	96.3		cum	1	6.30	0.45	0.45	1.28	
96.3	126.3		cum	1	30.00	0.45	0.45	6.08	
126.3	156.3		cum	1	30.00	0.45	0.45	6.08	
156.3	186.3		cum	1	30.00	0.45	0.45	6.08	
186.3	213.3		cum	1	27.00	0.45	0.45	5.67	
		14th Cross 20th Main Road							
		LHS							
0	30		cum	1	30.00	0.45	0.45	6.08	
30	60		cum	1	30.00	0.45	0.45	6.08	
60	90		cum	1	30.00	0.45	0.45	6.08	
90	120		cum	1	30.00	0.45	0.45	6.08	
120	150		cum	1	30.00	0.45	0.45	6.08	
150	176		cum	1	26.00	0.45	0.45	5.27	

208.8

Assistant Executive Engineer, R.R. Nagar, Sub-division, KRIDL, BBMP, Bangalore

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
		RHS							
0	30		cum	1	30.00	0.45	0.45	6.08	
30	60		cum	1	30.00	0.45	0.45	6.08	
60	90		cum	1	30.00	0.45	0.45	6.08	
90	120		cum	1	30.00	0.45	0.45	6.08	
120	150		cum	1	30.00	0.45	0.45	6.08	
150	176		cum	1	26.00	0.45	0.45	5.27	
		13th Cross Road							
		LHS							
0	15		cum	1	15.00	0.45	0.45	3.04	
15	30		cum	1	15.00	0.45	0.45	3.04	
30	45		cum	1	15.00	0.45	0.45	3.04	
45	60		cum	1	15.00	0.45	0.45	3.04	
60	82		cum	1	22.00	0.45	0.45	4.46	
		RHS							
0	15		cum	1	15.00	0.45	0.45	3.04	
15	30		cum	1	15.00	0.45	0.45	3.04	
30	45		cum	1	15.00	0.45	0.45	3.04	
45	60		cum	1	15.00	0.45	0.45	3.04	
60	82		cum	1	22.00	0.45	0.45	4.46	
		McDonald's Road							
		LHS							
0	15		cum	1	15.00	0.45	0.45	3.04	
15	30		cum	1	15.00	0.45	0.45	3.04	
30	45		cum	1	15.00	0.45	0.45	3.04	
45	60		cum	1	15.00	0.45	0.45	3.04	
60	75		cum	1	15.00	0.45	0.45	3.04	
75	90		cum	1	15.00	0.45	0.45	3.04	
90	105		cum	1	15.00	0.45	0.45	3.04	
105	119		cum	1	14.00	0.45	0.45	2.84	
		RHS							
0	15		cum	1	15.00	0.45	0.45	3.04	
15	30		cum	1	15.00	0.45	0.45	3.04	
30	45		cum	1	15.00	0.45	0.45	3.04	
45	60		cum	1	15.00	0.45	0.45	3.04	
60	75		cum	1	15.00	0.45	0.45	3.04	
75	90		cum	1	15.00	0.45	0.45	3.04	
90	105		cum	1	15.00	0.45	0.45	3.04	
105	119		cum	1	14.00	0.45	0.45	2.84	
		Cross Road							
		LHS							
0	15		cum	1	15.00	0.50	0.45	3.38	
15	30		cum	1	15.00	0.50	0.45	3.38	
30	45		cum	1	15.00	0.50	0.45	3.38	
45	63		cum	1	18.00	0.50	0.45	4.05	
		RHS							
0	15		cum	1	15.00	0.50	0.45	3.38	
15	30		cum	1	15.00	0.50	0.45	3.38	
30	45		cum	1	15.00	0.50	0.45	3.38	
45	63		cum	1	18.00	0.50	0.45	4.05	145.53
							TOTAL	780.74	781.09
							Quantity Limited To	779.50	

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.
Bangalore

Assistant Engineer

Assistant Executive Engineer,
R.R. Nagar, Sub-division,
KRIDL, BBMP, Bangalore

Contractor PMC

Assistant Executive Engineer
Bruhat Bangalore Mahanagara P
Bangalore - 560 092

Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL									
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
Item no.02		Removing and refixing stone slabs of drains and pointing in CM and as per the directions of the Engineer-in-charge of the work .							
		Sahakara Nagar F Block							
		10th Cross 15th Main Road							
		LHS							
6	28		Sqm	1.00	22.00	1.35		29.70	
64	83		Sqm	1.00	19.00	1.35		25.65	
133	147		Sqm	1.00	14.00	1.35		18.90	
186	198		Sqm	1.00	12.00	1.35		16.20	
		RHS							
32	56		Sqm	1.00	24.00	1.35		32.40	
97	114.5		Sqm	1.00	17.50	1.35		23.63	
155	176		Sqm	1.00	21.00	1.35		28.35	
		13th 15th Main Road							
		LHS							
33	58		Sqm	1.00	25.00	1.35		33.75	
93	111		Sqm	1.00	18.00	1.35		24.30	
157	177		Sqm	1.00	20.00	1.35		27.00	
		RHS							
19	28		Sqm	1.00	9.00	1.35		12.15	
63	77.8		Sqm	1.00	14.80	1.35		19.98	
125	148		Sqm	1.00	23.00	1.35		31.05	
179	190		Sqm	1.00	11.00	1.35		14.85	
		11th A Cross 17th Main Road							
		LHS							
34	57		Sqm	1.00	23.00	1.35		31.05	
86	106		Sqm	1.00	20.00	1.35		27.00	
		RHS							
3	19		Sqm	1.00	16.00	1.35		21.60	
64	82		Sqm	1.00	18.00	1.35		24.30	
		12th Cross 16th Main Road							
		LHS							
11	27		Sqm	1.00	16.00	1.35		21.60	
66.1	87		Sqm	1.00	20.90	1.35		28.22	
		RHS							
34	58		Sqm	1.00	24.00	1.35		32.40	
97.1	111		Sqm	1.00	13.90	1.35		18.77	
		13th A Cross 16th Main Road							
		LHS							
38	55		Sqm	1.00	17.00	1.35		22.95	
65	81		Sqm	1.00	16.00	1.35		21.60	
		RHS							
6	28		Sqm	1.00	22.00	1.35		29.70	
67	86		Sqm	1.00	19.00	1.35		25.65	
		11th E Cross 15th Main Road							
		LHS							

642.75

145.53
781.09

Executive Engineer
ananagara Pal
560 092

Contactor PMC

R.R. Nagar, Sub-division,
KRIDL, BBMP, Bangalore

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mananagara Palike
Bangalore - 560 092

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
33.1	54		Sqm	1.00	20.90	1.35		28.22	
94	116		Sqm	1.00	22.00	1.35		29.70	
152	154		Sqm	1.00	2.00	1.35		2.70	
190	210		Sqm	1.00	20.00	1.35		27.00	
249	265		Sqm	1.00	16.00	1.35		21.60	
		RHS							
9	27		Sqm	1.00	18.00	1.35		24.30	
62	82		Sqm	1.00	20.00	1.35		27.00	
131	145		Sqm	1.00	14.00	1.35		18.90	
161	174		Sqm	1.00	13.00	1.35		17.55	
222	236		Sqm	1.00	14.00	1.35		18.90	
		Chithrakota Apartment Shanthisagar Hotel Cross Road							
		LHS							
4	28		Sqm	1.00	24.00	1.35		32.40	
63	76		Sqm	1.00	13.00	1.35		17.55	
		RHS							
5	17		Sqm	1.00	12.00	1.35		16.20	
34	51		Sqm	1.00	17.00	1.35		22.95	
		11th Cross 18th Main Road							
		LHS							
34	57		Sqm	1.00	23.00	1.35		31.05	
92	95		Sqm	1.00	3.00	1.35		4.05	
128	155		Sqm	1.00	27.00	1.35		36.45	
191	209		Sqm	1.00	18.00	1.35		24.30	
		RHS							
9	26.2		Sqm	1.00	17.20	1.35		23.22	
69	84		Sqm	1.00	15.00	1.35		20.25	
101	119		Sqm	1.00	18.00	1.35		24.30	
162	178		Sqm	1.00	16.00	1.35		21.60	
		14th Cross 20th Main Road							
		LHS							
11	28		Sqm	1.00	17.00	1.35		22.95	
63	85		Sqm	1.00	22.00	1.35		29.70	
126	144		Sqm	1.00	18.00	1.35		24.30	
		RHS							
33	57		Sqm	1.00	24.00	1.35		32.40	
93	113		Sqm	1.00	20.00	1.35		27.00	
152	172		Sqm	1.00	20.00	1.35		27.00	
		13th Cross Road							
		LHS							
3	11		Sqm	1.00	8.00	1.35		10.80	
33	40		Sqm	1.00	7.00	1.35		9.45	
66	76		Sqm	1.00	10.00	1.35		13.50	
		RHS							
9	28		Sqm	1.00	19.00	1.35		25.65	
45	60		Sqm	1.00	15.00	1.35		20.25	
		McDonald's Road							
		LHS							
17	28		Sqm	1.00	11.00	1.35		14.85	

748.04

Contactor

Assistant Executive Engineer, PMC
R.R. Nagar, Sub-division,
KRIDL, BBMP, Bangalore

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
hat Bangalore Mahanagara P
Bangalore - 560 092

Assistant Executive Engineer
R.R. Nag
KRIDL, B

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
49	57.5		Sqm	1.00	8.50	1.35		11.48	
75	85.8		Sqm	1.00	10.80	1.35		14.58	
110	116		Sqm	1.00	6.00	1.35		8.10	
		RHS							
2	13		Sqm	1.00	11.00	1.35		14.85	
34	41		Sqm	1.00	7.00	1.35		9.45	
62	73		Sqm	1.00	11.00	1.35		14.85	
96	102		Sqm	1.00	6.00	1.35		8.10	
		Cross Road							
		LHS							
2	12		Sqm	1.00	10.00	1.35		13.50	
33.3	43		Sqm	1.00	9.70	1.35		13.10	
		RHS							
18	28		Sqm	1.00	10.00	1.35		13.50	
50.3	60		Sqm	1.00	9.70	1.35		13.10	
		Cover Slab							
		Sahakara Nagar F Block							
		10th Cross 15th Main Road							
		LHS							
			Sqm	1	13	1.2		15.60	
		RHS							
			Sqm	1	18	1.2		21.60	
		13th 15th Main Road							
		LHS							
			Sqm	1	9	1.2		10.80	
		RHS							
			Sqm	1	8	1.2		9.60	
			Sqm	1	4.2	1.2		5.04	
		11th A Cross 17th Main Road							
			Sqm	1	9	1.2		10.80	
			Sqm	1	12	1.2		14.40	
		12th Cross 16th Main Road							
			Sqm	1	11	1.2		13.20	
			Sqm	1	5	1.2		6.00	
		13th A Cross 16th Main Road							
			Sqm	1	9	1.2		10.80	
			Sqm	1	10.7	1.2		12.84	
		RHS							
			Sqm	1	11	1.2		13.20	
			Sqm	1	12	1.2		14.40	
		11th E Cross 15th Main Road							
		LHS							

292.89

Assistant Executive Engineer
Sub Division
Mahanagara P
- 560 092

Contactor

Assistant Executive Engineer,
R.R. Nagar, Sub-division,
KRIDL, BBMP, Bangalore

PMC

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
			Sqm	1	14	1.2		16.80	
			Sqm	1	11	1.2		13.20	
		RHS							
			Sqm	1	12	1.2		14.40	
			Sqm	1	9	1.2		10.80	
		Chithrakota Apartment Shanthisagar Hotel Cross Road							
		LHS							
			Sqm	1	12	1.2		14.40	
			Sqm	1	9	1.2		10.80	
		RHS							
			Sqm	1	11	1.2		13.20	
			Sqm	1	8	1.2		9.60	
		11th Cross 18th Main Road							
		LHS							
			Sqm	1	20	1.2		24.00	
		RHS							
			Sqm	1	18	1.2		21.60	
		14th Cross 20th Main Road							
		LHS							
			Sqm	1	5	1.2		6.00	
		RHS							
			Sqm	1	3.5	1.2		4.20	
		13th Cross Road							
		LHS							
			Sqm	1	11	1.2		13.20	
			Sqm	1	5	1.2		6.00	
			Sqm	1	14	1.2		16.80	
		RHS							
			Sqm	1	6	1.2		7.20	
			Sqm	1	11	1.2		13.20	
			Sqm	1	7	1.2		8.40	
		McDonald's Road							
		LHS							
			Sqm	1	12	1.2		14.40	
			Sqm	1	8	1.2		9.60	
		RHS							
			Sqm	1	14	1.2		16.80	
		Cross Road							
		LHS							
			Sqm	1	15	1.2		18.00	
		RHS							
			Sqm	1	13	1.2		15.60	
			Sqm	1	5	1.2		6.00	304.2
							TOTAL	1987.85	

Cdh to 1986.30 187.88

Assistant Executive Engineer, R.R. Nagar, Sub-division, KRIDL, BBMP, Bangalore

Contactor PMC

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bangalore Mahanagara P
Bangalore - 560 092

Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
						Quantity Limited To		1986.30	
Item no.03		Providing granite slabs of selected quality roughly dressed havinf a size of 7.5cms thick and fixed in cement mortar (1:6) including fixing curing ete., and as per the directions of the Engineer-in-charge of the work .							
		Sahakara Nagar F Block							
		10th Cross 15th Main Road							
		LHS							
0	6		Sqm	1	6	1.35		8.10	
37	44		Sqm	1	7	1.35		9.45	
77	82		Sqm	1	5	1.35		6.75	
141	148		Sqm	1	7	1.35		9.45	
		RHS							
18	24		Sqm	1	6	1.35		8.10	
37	44		Sqm	1	7	1.35		9.45	
125	132		Sqm	1	7	1.35		9.45	
		13th 15th Main Road							
		LHS							
18	25		Sqm	1	7	1.35		9.45	
64	70		Sqm	1	6	1.35		8.10	
159	168		Sqm	1	9	1.35		12.15	
		RHS							
11	16		Sqm	1	5	1.35		6.75	
38	44		Sqm	1	6	1.35		8.10	
101	109		Sqm	1	8	1.35		10.80	
168	171		Sqm	1	3	1.35		4.05	
		11th A Cross 17th Main Road							
		LHS							
16	23		Sqm	1	7	1.35		9.45	
74	83		Sqm	1	9	1.35		12.15	
		RHS							
0	3		Sqm	1	3	1.35		4.05	
35	44		Sqm	1	9	1.35		12.15	
		12th Cross 16th Main Road							
		LHS							
0	9		Sqm	1	9	1.35		12.15	
72	79		Sqm	1	7	1.35		9.45	
		RHS							
15	22		Sqm	1	7	1.35		9.45	
73	81		Sqm	1	8	1.35		10.80	
		13th A Cross 16th Main Road							
		LHS							
19	28		Sqm	1	9	1.35		12.15	
57	63		Sqm	1	6	1.35		8.10	
		RHS							
0	6		Sqm	1	6	1.35		8.10	
46	54		Sqm	1	8	1.35		10.80	

238.95

304.2

87.88

Assistant Executive Engineer, PMC
R.R. Nagar, Sub-division,
KRIDL, BBMP, Bangalore

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
		11th E Cross 15th Main Road							
		LHS							
12	19		Sqm	1	7.0	1.35		9.45	
64	72		Sqm	1	8	1.35		10.80	
153	154		Sqm	1	1	1.35		1.35	
179	186		Sqm	1	7	1.35		9.45	
211	219		Sqm	1	8	1.35		10.80	
		RHS							
3	7		Sqm	1	4	1.35		5.40	
39	45		Sqm	1	6	1.35		8.10	
101	109		Sqm	1	8	1.35		10.80	
154	159		Sqm	1	5	1.35		6.75	
179	186		Sqm	1	7	1.35		9.45	
		Chithrakota Apartment Shanthisagar Hotel Cross Road							
		LHS							
0	4		Sqm	1	4	1.35		5.40	
36	45		Sqm	1	9	1.35		12.15	
		RHS							
0	5		Sqm	1	5	1.35		6.75	
21	28		Sqm	1	7	1.35		9.45	
		11th Cross 18th Main Road							
		LHS							
23	30		Sqm	1	7	1.35		9.45	
66	71		Sqm	1	5	1.35		6.75	
104	110		Sqm	1	6	1.35		8.10	
179	184		Sqm	1	5	1.35		6.75	
		RHS							
2	8		Sqm	1	6	1.35		8.10	
39	44		Sqm	1	5	1.35		6.75	
93	99		Sqm	1	6	1.35		8.10	
132	139		Sqm	1	7	1.35		9.45	
		14th Cross 20th Main Road							
		LHS							
4	10		Sqm	1	6	1.35		8.10	
37	44		Sqm	1	7	1.35		9.45	
97	101		Sqm	1	4	1.35		5.40	
		RHS							
15	16		Sqm	1	1	1.35		1.35	
66	70		Sqm	1	4	1.35		5.40	
123	128		Sqm	1	5	1.35		6.75	
		13th Cross Road							
		LHS							
0	3		Sqm	1	3	1.35		4.05	
17	25		Sqm	1	8	1.35		10.80	
51	57		Sqm	1	6	1.35		8.10	
		RHS							
3	9		Sqm	1	6	1.35		8.10	
54	59		Sqm	1	5	1.35		6.75	

253.8

Assistant Executive Engineer, R.R. Nagar, Sub-division, KRIDL, BBMP, Bangalore

Contactor PMC

Assistant Engineer

Assistant Executive Engineer Kodigehalli Sub Division ...hat Bangalore Mahanagara P... Bangalore - 560 092

Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
		McDonald's Road							
		LHS							
7	12		Sqm	1	5	1.35		6.75	
34	39		Sqm	1	5	1.35		6.75	
64	68		Sqm	1	4	1.35		5.40	
97	100		Sqm	1	3	1.35		4.05	
		RHS							
0	2		Sqm	1	2	1.35		2.70	
17	21		Sqm	1	4	1.35		5.40	
38	40		Sqm	1	2	1.35		2.70	
88	91		Sqm	1	3	1.35		4.05	
		Cross Road							
		LHS							
0	2		Sqm	1	2	1.35		2.70	
23	26		Sqm	1	3	1.35		4.05	
		RHS							
7	12		Sqm	1	5	1.35		6.75	
54	58		Sqm	1	4	1.35		5.40	
		Cover Slab							
		Sahakara Nagar F Block							
		10th Cross 15th Main Road							
		LHS							
			Sqm	1	7	1.2		8.40	
		RHS							
			Sqm	1	6	1.2		7.20	
		13th 15th Main Road							
		LHS							
			Sqm	1	9	1.2		10.80	
		RHS							
			Sqm	1	8	1.2		9.60	
			Sqm	1	4.2	1.2		5.04	
		11th A Cross 17th Main Road							
			Sqm	1	9	1.2		10.80	
			Sqm	1	6	1.2		7.20	
		12th Cross 16th Main Road							
			Sqm	1	5	1.2		6.00	
			Sqm	1	4	1.2		4.80	
		13th A Cross 16th Main Road							
			Sqm	1	9	1.2		10.80	
			Sqm	1	4.9	1.2		5.88	
		RHS							
			Sqm	1	5	1.2		6.00	
			Sqm	1	9	1.2		10.80	
		11th E Cross 15th Main Road							
		LHS							
			Sqm	1	2	1.2		2.40	

162.42

Contractor

PMC

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer, R.R. Nagar, Sub-division, KRIDL, BBMP, Bangalore

Assistant Executive Engineer Kodigehalli Sub Division Bruhat Bangalore Mahanagara Palike Bangalore - 560 092

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
			Sqm	1	5	1.2		6.00	
		RHS							
			Sqm	1	8	1.2		9.60	
			Sqm	1	4	1.2		4.80	
		Chithrakota Apartment Shanthisagar Hotel Cross Road							
		LHS							
			Sqm	1	7	1.2		8.40	
			Sqm	1	4	1.2		4.80	
		RHS							
			Sqm	1	6	1.2		7.20	
			Sqm	1	2	1.2		2.40	
		11th Cross 18th Main Road							
		LHS							
			Sqm	1	6	1.2		7.20	
		RHS							
			Sqm	1	4	1.2		4.80	
		14th Cross 20th Main Road							
		LHS							
			Sqm	1	5	1.2		6.00	
		RHS							
			Sqm	1	3.5	1.2		4.20	
		13th Cross Road							
		LHS							
			Sqm	1	7	1.2		8.40	
			Sqm	1	5	1.2		6.00	
			Sqm	1	3	1.2		3.60	
		RHS							
			Sqm	1	6	1.2		7.20	
			Sqm	1	3	1.2		3.60	
			Sqm	1	7	1.2		8.40	
		McDonald's Road							
		LHS							
			Sqm	1	5	1.2		6.00	
			Sqm	1	4	1.2		4.80	
		RHS							
			Sqm	1	4	1.2		4.80	
		Cross Road							
		LHS							
			Sqm	1	7	1.2		8.40	
		RHS							
			Sqm	1	3	1.2		3.60	
			Sqm	1	5	1.2		6.00	136.2
							TOTAL	791.37	
							Quantity Limited to	782.70	

Contractor

Assistant Executive Engineer, PMC
R.R. Nagar, Sub-division,
KRIDL, BBMP, Bangalore

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bangalore - 560 092

Assistant Executive Engineer
R.R. Nagar,
KRIDL, BBMP

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
Item no.04		Excavation for roadwork in soil with hydraulic excavator of 0.90 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to embankment location and complete as per specifications and as per the directions of the Engineer-in-charge of the work .							
		For asphalt road, Bad reach							
		Sahakara Nagar F Block							
		10th Cross 15th Main Road							
4	15		Cum	1	11.00	1.00	0.20	2.20	
15	30		Cum	1	15.00	2.00	0.20	6.00	
		13th 15th Main Road							
6	18		Cum	1	12.00	2.20	0.20	5.28	
15	21		Cum	1	6.00	3.20	0.20	3.84	
33	41		Cum	1	8.00	4.20	0.20	6.72	
44	53		Cum	1	9.00	5.20	0.20	9.36	
		11th A Cross 17th Main Road							
0	15		Cum	1	15.00	1.30	0.20	3.90	
15	30		Cum	1	15.00	1.80	0.20	5.40	
57	66		Cum	1	9.00	1.80	0.20	3.24	
72	83		Cum	1	11.00	1.80	0.20	3.96	
		12th Cross 16th Main Road							
30	45		Cum	1	15.00	1.20	0.20	3.60	
45	60		Cum	1	15.00	1.10	0.20	3.30	
72	89		Cum	1	17.00	2.10	0.20	7.14	
		13th A Cross 16th Main Road							
0	15		Cum	1	15.00	1.80	0.20	5.40	
15	30		Cum	1	15.00	1.20	0.20	3.60	
68	79		Cum	1	11.00	1.20	0.20	2.64	
		11th E Cross 15th Main Road							
30	45		Cum	1	15.00	2.00	0.20	6.00	
45	55		Cum	1	10.00	1.00	0.20	2.00	
		Chithrakota Apartment Shanthisagar Hotel Cross Road							
0	15		Cum	1	15.00	1.80	0.20	5.40	
15	30		Cum	1	15.00	1.30	0.20	3.90	
		11th Cross 18th Main Road							
12	28		Cum	1	16.00	1.20	0.20	3.84	
28	33		Cum	1	5.00	0.90	0.20	0.90	
		14th Cross 20th Main Road							
5	15		Cum	1	10.00	3.00	0.20	6.00	

103.62

136.2

Executive Engineer
Sub Division
Mahanagara Palike
- 560 092

Assistant Executive Engineer,
R.R. Nagar, Sub-division,
KRIDL, BBMP, Bangalore

Contractor / PMC

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
18	30		Cum	1	12.00	2.60	0.20	6.24	
		13th Cross Road							
2	15		Cum	1	13.00	2.00	0.20	5.20	
15	30		Cum	1	15.00	1.00	0.20	3.00	
30	45		Cum	1	15.00	1.10	0.20	3.30	
48	55		Cum	1	7.00	1.00	0.20	1.40	
		McDonald's Road							
8	15		Cum	1	7.00	1.30	0.20	1.82	
29	33		Cum	1	4.00	1.00	0.20	0.80	
		Cross Road							
27	32		Cum	1	5.00	0.90	0.20	0.90	22.66
							TOTAL	126.28	
							Quantity Limited to	126.10	

Item no.05		Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specificationsand as per drawing and the directions of Engineer in-charge.							
		For asphalt road, Bad reach							
		Sahakara Nagar F Block							
		10th Cross 15th Main Road							
4	15		Cum	1	11.00	1.00	0.23	2.53	
15	30		Cum	1	15.00	2.00	0.23	6.90	
		13th 15th Main Road							
6	18		Cum	1	12.00	2.20	0.23	6.07	
15	21		Cum	1	6.00	3.20	0.23	4.42	
33	41		Cum	1	8.00	4.20	0.23	7.73	
44	53		Cum	1	9.00	5.20	0.23	10.76	
		11th A Cross 17th Main Road							
0	15		Cum	1	15.00	1.30	0.23	4.49	
15	30		Cum	1	15.00	1.80	0.23	6.21	
57	66		Cum	1	9.00	1.80	0.23	3.73	
72	83		Cum	1	11.00	1.80	0.23	4.55	
		12th Cross 16th Main Road							
30	45		Cum	1	15.00	1.20	0.23	4.14	
45	60		Cum	1	15.00	1.10	0.23	3.80	
72	89		Cum	1	17.00	2.10	0.23	8.21	
		13th A Cross 16th Main Road							
0	15		Cum	1	15.00	1.80	0.23	6.21	
15	30		Cum	1	15.00	1.20	0.23	4.14	
68	79		Cum	1	11.00	1.20	0.23	3.04	
		11th E Cross 15th Main Road							
30	45		Cum	1	15.00	2.00	0.23	6.90	
45	55		Cum	1	10.00	1.00	0.23	2.30	

96.13

Contactor

Assistant Executive Engineer, R.R. Nagar, Sub-division, KRIDL, BBMP, Bangalore

PMC

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer Kodigehalli Sub Division Bruhat Bangalore Mahanagara P. Bangalore - 560 092

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
		Chithrakota Apartment Shanthisagar Hotel Cross Road							
0	15		Cum	1	15.00	1.80	0.23	6.21	
15	30		Cum	1	15.00	1.30	0.23	4.49	
		11th Cross 18th Main Road							
12	28		Cum	1	16.00	1.20	0.23	4.42	
28	33		Cum	1	5.00	0.90	0.23	1.04	
		14th Cross 20th Main Road							
5	15		Cum	1	10.00	3.00	0.23	6.90	
18	30		Cum	1	12.00	2.60	0.23	7.18	
		13th Cross Road							
2	15		Cum	1	13.00	2.00	0.23	5.98	
15	30		Cum	1	15.00	1.00	0.23	3.45	
30	45		Cum	1	15.00	1.10	0.23	3.80	
48	55		Cum	1	7.00	1.00	0.23	1.61	
		McDonald's Road							
8	15		Cum	1	7.00	1.30	0.23	2.09	
29	33		Cum	1	4.00	1.00	0.23	0.92	
		Cross Road							
27	32		Cum	1	5.00	0.90	0.23	1.04	
							TOTAL	145.22	
							Quantity Limited to	145.02	
Item no.06		**Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WBM WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications and as per the directions of the Engineer-in-charge of the work .**							
		For asphalt road, Bad reach							
		Sahakara Nagar F Block							
		10th Cross 15th Main Road							
4	15		Sqm	1	11.00	1.00		11.00	
15	30		Sqm	1	15.00	2.00		30.00	
		13th 15th Main Road							
6	18		Sqm	1	12.00	2.20		26.40	
15	21		Sqm	1	6.00	3.20		19.20	
33	41		Sqm	1	8.00	4.20		33.60	
44	53		Sqm	1	9.00	5.20		46.80	
		11th A Cross 17th Main Road							
0	15		Sqm	1	15.00	1.30		19.50	
15	30		Sqm	1	15.00	1.80		27.00	
57	66		Sqm	1	9.00	1.80		16.20	
72	83		Sqm	1	11.00	1.80		19.80	
		12th Cross 16th Main Road							
30	45		Sqm	1	15.00	1.20		18.00	

267.5

9/3

349.13

Assistant Executive Engineer, PMC
R.R. Nagar, Sub-division,
KRIDL, BBMP, Bangalore

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
45	60		Sqm	1	15.00	1.10		16.50	
72	89		Sqm	1	17.00	2.10		35.70	
		13th A Cross 16th Main Road							
0	15		Sqm	1	15.00	1.80		27.00	
15	30		Sqm	1	15.00	1.20		18.00	
68	79		Sqm	1	11.00	1.20		13.20	
		11th E Cross 15th Main Road							
30	45		Sqm	1	15.00	2.00		30.00	
45	55		Sqm	1	10.00	1.00		10.00	
		Chithrakota Apartment Shanthisagar Hotel Cross Road							
0	15		Sqm	1	15.00	1.80		27.00	
15	30		Sqm	1	15.00	1.30		19.50	
		11th Cross 18th Main Road							
12	28		Sqm	1	16.00	1.20		19.20	
28	33		Sqm	1	5.00	0.90		4.50	
		14th Cross 20th Main Road							
5	15		Sqm	1	10.00	3.00		30.00	
18	30		Sqm	1	12.00	2.60		31.20	
		13th Cross Road							
2	15		Sqm	1	13.00	2.00		26.00	
15	30		Sqm	1	15.00	1.00		15.00	
30	45		Sqm	1	15.00	1.10		16.50	
48	55		Sqm	1	7.00	1.00		7.00	
		McDonald's Road							
8	15		Sqm	1	7.00	1.30		9.10	
29	33		Sqm	1	4.00	1.00		4.00	
		Cross Road							
27	32		Sqm	1	5.00	0.90		4.50	363.9
							TOTAL	**631.40**	
							Quantity Limited to	**630.50**	
Item no.07		**Cleaning the existing black topped surface with brooms,soft brushes and finally dusting with old gunny bags and/or compressed air to receive bituminous treatment including cost of all materials,labhour, HOM of machineries complete as per specifications and as per the directions of the Engineer-in-charge of the work .**							
		Sahakara Nagar F Block							
		10th Cross 15th Main Road							
0	30		Sqm	1	30.00	8.75		262.50	
						(11.3+6.2)/2			
30	60		Sqm	1	30.00	6.20		186.00	
						(6.2+6.2)/2			
60	90		Sqm	1	30.00	6.30		189.00	
						(6.2+6.4)/2			

637.5

Assistant Executive Engineer, R.R. Nagar, Sub-division, KRIDL, BBMP, Bangalore

Contactor PMC Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
90	120		Sqm	1	30.00	6.20		186.00	
						(6.4+6)/2			
120	150		Sqm	1	30.00	6.00		180.00	
						(6+6)/2			
150	180		Sqm	1	30.00	6.10		183.00	
						(6+6.2)/2			
180	209		Sqm	1	29.00	6.70		194.30	
						(6.2+7.2)/2			
		13th 15th Main Road							
0	30		Sqm	1	30.00	8.05		241.50	
						(8.6+7.5)/2			
30	60		Sqm	1	30.00	6.65		199.50	
						(7.5+5.8)/2			
60	90		Sqm	1	30.00	5.85		175.50	
						(5.8+5.9)/2			
90	120		Sqm	1	30.00	5.60		168.00	
						(5.9+5.3)/2			
120	150		Sqm	1	30.00	5.55		166.50	
						(5.3+5.8)/2			
150	180		Sqm	1	30.00	5.60		168.00	
						(5.8+5.4)/2			
180	196		Sqm	1	16.00	5.90		94.40	
						(5.4+6.4)/2			
		11th A Cross 17th Main Road							
0	30		Sqm	1	30.00	5.60		168.00	
						(6+5.2)/2			
30	60		Sqm	1	30.00	5.15		154.50	
						(5.2+5.1)/2			
60	90		Sqm	1	30.00	4.85		145.50	
						(5.1+4.6)/2			
90	108		Sqm	1	18.00	6.45		116.10	
						(4.6+8.3)/2			
		12th Cross 16th Main Road							
0	30		Sqm	1	30.00	5.95		178.50	
						(7.4+4.5)/2			
30	60		Sqm	1	30.00	4.70		141.00	
						(4.5+4.9)/2			
60	90		Sqm	1	30.00	4.80		144.00	
						(4.9+4.7)/2			
90	114		Sqm	1	24.00	5.55		133.20	
						(4.7+6.4)/2			
		13th A Cross 16th Main Road							
0	30		Sqm	1	30.00	6.40		192.00	
						(7.8+5)/2			
30	60		Sqm	1	30.00	5.25		157.50	
						(5+5.5)/2			
60	90		Sqm	1	30.00	5.65		169.50	
						(5.5+5.8)/2			
90	118		Sqm	1	28.00	7.55		211.40	

38679

Contractor

Assistant Executive Engineer
R.R. Nagar, Sub-division,
KRIDL, BBMP, Bangalore

PMC

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

MEASUREMENT SHEET - 1st and FINAL BILL									
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
						(5.4+9.7)/2			
		11th E Cross 15th Main Road							
0	30		Sqm	1	30.00	7.60		228.00	
						(9.1+6.1)/2			
30	60		Sqm	1	30.00	5.95		178.50	
						(6.1+5.8)/2			
60	90		Sqm	1	30.00	5.75		172.50	
						(5.8+5.7)/2			
90	120		Sqm	1	30.00	5.60		168.00	
						(5.7+5.5)/2			
120	150		Sqm	1	30.00	5.60		168.00	
						(5.5+5.7)/2			
150	156.7		Sqm	1	6.70	5.85		39.19	
						(5.7+6)/2			
156.7	186.7		Sqm	1	30.00	6.05		181.50	
						(6.1+6)/2			
186.7	216.7		Sqm	1	30.00	5.95		178.50	
						(6+5.9)/2			
216.7	246.7		Sqm	1	30.00	5.95		178.50	
						(5.9+6)/2			
246.7	267.7		Sqm	1	21.00	6.10		128.10	
						(6+6.2)/2			
		Chithrakota Apartment Shanthisagar Hotel Cross Road							
0	30		Sqm	1	30.00	5.40		162.00	
						(6+4.8)/2			
30	60		Sqm	1	30.00	4.80		144.00	
						(4.8+4.8)/2			
60	79		Sqm	1	19.00	5.30		100.70	
						(4.8+5.8)/2			
		11th Cross 18th Main Road							
0	30		Sqm	1	30.00	6.05		181.50	
						(6.3+5.8)/2			
30	60		Sqm	1	30.00	5.80		174.00	
						(5.8+5.8)/2			
60	90		Sqm	1	30.00	5.70		171.00	
						(5.8+5.6)/2			
90	96.3		Sqm	1	6.30	5.65		35.60	
						(5.6+5.7)/2			
96.3	126.3		Sqm	1	30.00	6.55		196.50	
						(7.3+5.8)/2			
126.3	156.3		Sqm	1	30.00	5.70		171.00	
						(5.8+5.6)/2			
156.3	186.3		Sqm	1	30.00	5.60		168.00	
						(5.6+5.6)/2			
186.3	214.3		Sqm	1	28.00	6.80		190.40	
						(5.6+8)/2			

3315.49

Assistant Executive Engineer, R.R. Nagar, Sub-division, KRIDL, BBMP, Bangalore

Contractor PMC Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
		14th Cross 20th Main Road							
0	30		Sqm	1	30.00	7.10		213.00	
						(8+6.2)/2			
30	60		Sqm	1	30.00	6.20		186.00	
						(6.2+6.2)/2			
60	90		Sqm	1	30.00	5.80		174.00	
						(6.2+5.4)/2			
90	120		Sqm	1	30.00	5.25		157.50	
						(5.4+5.1)/2			
120	150		Sqm	1	30.00	5.15		154.50	
						(5.1+5.2)/2			
150	176		Sqm	1	26.00	5.95		154.70	
						(5.2+6.7)/2			
		13th Cross Road							
0	15		Sqm	1	15.00	9.00		135.00	
						(10.6+7.4)/2			
15	30		Sqm	1	15.00	6.65		99.75	
						(7.4+5.9)/2			
30	45		Sqm	1	15.00	6.00		90.00	
						(5.9+6.1)/2			
45	60		Sqm	1	15.00	8.20		123.00	
						(6.1+7.4+11.1)/3			
60	82		Sqm	1	22.00	10.05		221.10	
						(11.1+9)/2			
		McDonald's Road							
0	15		Sqm	1	15.00	6.95		104.25	
						(7.4+6.5)/2			
15	30		Sqm	1	15.00	6.05		90.75	
						(6.5+5.6)/2			
30	45		Sqm	1	15.00	5.50		82.50	
						(5.6+5.4)/2			
45	60		Sqm	1	15.00	5.40		81.00	
						(5.4+5.4)/2			
60	75		Sqm	1	15.00	4.85		72.75	
						(5.4+4.3)/2			
75	90		Sqm	1	15.00	4.45		66.75	
						(4.3+4.6)/2			
90	105		Sqm	1	15.00	4.75		71.25	
						(4.6+4.9)/2			
105	119		Sqm	1	14.00	5.40		75.60	
						(4.9+5.9)/2			
		Cross Road							
0	15		Sqm	1	15.00	5.90		88.50	
						(6.4+5.4)/2			
15	30		Sqm	1	15.00	5.40		81.00	
						(5.4+5.4)/2			
30	45		Sqm	1	15.00	5.70		85.50	
						(5.4+6)/2			
45	63		Sqm	1	18.00	6.00		108.00	
						(6+6)/2			

2716.4

Contactor

Assistant Executive Engineer, R.R. Nagar, Sub-division, KRIDL, BBMP, Bangalore

PMC

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer Kodigehalli Sub Division Bruhat Bangalore Mahanagara Palike Bangalore - 560 092

MEASUREMENT SHEET - 1st and FINAL BILL									
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
							TOTAL	10537.29	
							Quantity Limited to	10534.70	
Item no.08		Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications and the directions of Engineer in-charge.							
		Sahakara Nagar F Block							
		10th Cross 15th Main Road							
0	30		Sqm	1	30.00	8.75		262.50	
						(11.3+6.2)/2			
30	60		Sqm	1	30.00	6.20		186.00	
						(6.2+6.2)/2			
60	90		Sqm	1	30.00	6.30		189.00	
						(6.2+6.4)/2			
90	120		Sqm	1	30.00	6.20		186.00	
						(6.4+6)/2			
120	150		Sqm	1	30.00	6.00		180.00	
						(6+6)/2			
150	180		Sqm	1	30.00	6.10		183.00	
						(6+6.2)/2			
180	209		Sqm	1	29.00	6.70		194.30	
						(6.2+7.2)/2			
		13th 15th Main Road							
0	30		Sqm	1	30.00	8.05		241.50	
						(8.6+7.5)/2			
30	60		Sqm	1	30.00	6.65		199.50	
						(7.5+5.8)/2			
60	90		Sqm	1	30.00	5.85		175.50	
						(5.8+5.9)/2			
90	120		Sqm	1	30.00	5.60		168.00	
						(5.9+5.3)/2			
120	150		Sqm	1	30.00	5.55		166.50	
						(5.3+5.8)/2			
150	180		Sqm	1	30.00	5.60		168.00	
						(5.8+5.4)/2			
180	196		Sqm	1	16.00	5.90		94.40	
						(5.4+6.4)/2			
		11th A Cross 17th Main Road							
0	30		Sqm	1	30.00	5.60		168.00	
						(6+5.2)/2			
30	60		Sqm	1	30.00	5.15		154.50	
						(5.2+5.1)/2			
60	90		Sqm	1	30.00	4.85		145.50	
						(5.1+4.6)/2			
90	108		Sqm	1	18.00	6.45		116.10	
						(4.6+8.3)/2			

3178.3

Assistant Executive Engineer, R.R. Nagar, Sub-division, KRIDL, BBMP, Bangalore

Contactor PMC

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bangalore Mahanagara Palike
Bangalore - 560 092

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
		12th Cross 16th Main Road							
0	30		Sqm	1	30.00	5.95		178.50	
						(7.4+4.5)/2			
30	60		Sqm	1	30.00	4.70		141.00	
						(4.5+4.9)/2			
60	90		Sqm	1	30.00	4.80		144.00	
						(4.9+4.7)/2			
90	114		Sqm	1	24.00	5.55		133.20	
						(4.7+6.4)/2			
		13th A Cross 16th Main Road							
0	30		Sqm	1	30.00	6.40		192.00	
						(7.8+5)/2			
30	60		Sqm	1	30.00	5.25		157.50	
						(5+5.5)/2			
60	90		Sqm	1	30.00	5.65		169.50	
						(5.5+5.8)/2			
90	118		Sqm	1	28.00	7.55		211.40	
						(5.4+9.7)/2			
		11th E Cross 15th Main Road							
0	30		Sqm	1	30.00	7.60		228.00	
						(9.1+6.1)/2			
30	60		Sqm	1	30.00	5.95		178.50	
						(6.1+5.8)/2			
60	90		Sqm	1	30.00	5.75		172.50	
						(5.8+5.7)/2			
90	120		Sqm	1	30.00	5.60		168.00	
						(5.7+5.5)/2			
120	150		Sqm	1	30.00	5.60		168.00	
						(5.5+5.7)/2			
150	156.7		Sqm	1	6.70	5.85		39.19	
						(5.7+6)/2			
156.7	186.7		Sqm	1	30.00	6.05		181.50	
						(6.1+6)/2			
186.7	216.7		Sqm	1	30.00	5.95		178.50	
						(6+5.9)/2			
216.7	246.7		Sqm	1	30.00	5.95		178.50	
						(5.9+6)/2			
246.7	267.7		Sqm	1	21.00	6.10		128.10	
						(6+6.2)/2			
		Chithrakota Apartment Shanthisagar Hotel Cross Road							
0	30		Sqm	1	30.00	5.40		162.00	
						(6+4.8)/2			
30	60		Sqm	1	30.00	4.80		144.00	
						(4.8+4.8)/2			
60	79		Sqm	1	19.00	5.30		100.70	
						(4.8+5.8)/2			

3354.59

Contactor PMC

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer, R.R. Nagar, Sub-division, KRIDL, BBMP, Bangalore

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
		11th Cross 18th Main Road							
0	30		Sqm	1	30.00	6.05		181.50	
						(6.3+5.8)/2			
30	60		Sqm	1	30.00	5.80		174.00	
						(5.8+5.8)/2			
60	90		Sqm	1	30.00	5.70		171.00	
						(5.8+5.6)/2			
90	96.3		Sqm	1	6.30	5.65		35.60	
						(5.6+5.7)/2			
96.3	126.3		Sqm	1	30.00	6.55		196.50	
						(7.3+5.8)/2			
126.3	156.3		Sqm	1	30.00	5.70		171.00	
						(5.8+5.6)/2			
156.3	186.3		Sqm	1	30.00	5.60		168.00	
						(5.6+5.6)/2			
186.3	214.3		Sqm	1	28.00	6.80		190.40	
						(5.6+8)/2			
		14th Cross 20th Main Road							
0	30		Sqm	1	30.00	7.10		213.00	
						(8+6.2)/2			
30	60		Sqm	1	30.00	6.20		186.00	
						(6.2+6.2)/2			
60	90		Sqm	1	30.00	5.80		174.00	
						(6.2+5.4)/2			
90	120		Sqm	1	30.00	5.25		157.50	
						(5.4+5.1)/2			
120	150		Sqm	1	30.00	5.15		154.50	
						(5.1+5.2)/2			
150	176		Sqm	1	26.00	5.95		154.70	
						(5.2+6.7)/2			
		13th Cross Road							
0	15		Sqm	1	15.00	9.00		135.00	
						(10.6+7.4)/2			
15	30		Sqm	1	15.00	6.65		99.75	
						(7.4+5.9)/2			
30	45		Sqm	1	15.00	6.00		90.00	
						(5.9+6.1)/2			
45	60		Sqm	1	15.00	8.20		123.00	
						(6.1+7.4+11.1)/3			
60	82		Sqm	1	22.00	10.05		221.10	
						(11.1+9)/2			
		McDonald's Road							
0	15		Sqm	1	15.00	6.95		104.25	
						(7.4+6.5)/2			
15	30		Sqm	1	15.00	6.05		90.75	
						(6.5+5.6)/2			
30	45		Sqm	1	15.00	5.50		82.50	
						(5.6+5.4)/2			
45	60		Sqm	1	15.00	5.40		81.00	
						(5.4+5.4)/2			

3355.05

Assistant Executive Engineer, R.R. Nagar, Sub-division, KRIDL, BBMP, Bangalore

Contactor PMC

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
at Bangalore Mahanagara Palike
Bangalore - 560 092

Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
60	75		Sqm	1	15.00	4.85		72.75	
						(5.4+4.3)/2			
75	90		Sqm	1	15.00	4.45		66.75	
						(4.3+4.6)/2			
90	105		Sqm	1	15.00	4.75		71.25	
						(4.6+4.9)/2			
105	119		Sqm	1	14.00	5.40		75.60	
						(4.9+5.9)/2			
		Cross Road							
0	15		Sqm	1	15.00	5.90		88.50	
						(6.4+5.4)/2			
15	30		Sqm	1	15.00	5.40		81.00	
						(5.4+5.4)/2			
30	45		Sqm	1	15.00	5.70		85.50	
						(5.4+6)/2			
45	63		Sqm	1	18.00	6.00		108.00	
						(6+6)/2			
							TOTAL	10537.29	
							Quantity Limited to	10534.70	
Item no.09		Providing and laying bituminous concrete 40mm compacted thickness with VG30 Bitumen garde using 40-60 HMP using crushed aggregates of grading ll premixed with bituminous binder at 6% of mix and filler transporting the hot mix to work site laying with a mechanical paver finisher to the required grade level and alinment,rolling with smooth wheeled, vibratory and tandem rollers to achive the desired compaction as per MoRTH specification and as per the directions of the Engineer-in-charge of the work .							
		Sahakara Nagar F Block							
		10th Cross 15th Main Road							
0	30		cum	1	30.00	8.75	0.04	10.50	
						(11.3+6.2)/2			
30	60		cum	1	30.00	6.20	0.04	7.44	
						(6.2+6.2)/2			
60	90		cum	1	30.00	6.30	0.04	7.56	
						(6.2+6.4)/2			
90	120		cum	1	30.00	6.20	0.04	7.44	
						(6.4+6)/2			
120	150		cum	1	30.00	6.00	0.04	7.20	
						(6+6)/2			
150	180		cum	1	30.00	6.10	0.04	7.32	
						(6+6.2)/2			
180	209		cum	1	29.00	6.70	0.04	7.77	
						(6.2+7.2)/2			
		13th 15th Main Road							
0	30		cum	1	30.00	8.05	0.04	9.66	
						(8.6+7.5)/2			
30	60		cum	1	30.00	6.65	0.04	7.98	
						(7.5+5.8)/2			
60	90		cum	1	30.00	5.85	0.04	7.02	
						(5.8+5.9)/2			
90	120		cum	1	30.00	5.60	0.04	6.72	

13/3

649.35

13/3

Assistant Executive Engine
Kodigehalli Sub Division
Yelahanka Zone, B.B.M.P
Bangalore.

86.61

Contactor

Assistant Executive Engineer,
R.R. Nagar, Sub-division,
KRIDL, BBMP, Bangalore

PMC

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mananagara Palike
Bangalore - 560 092

Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
						(5.9+5.3)/2			
120	150		cum	1	30.00	5.55	0.04	6.66	
						(5.3+5.8)/2			
150	180		cum	1	30.00	5.60	0.04	6.72	
						(5.8+5.4)/2			
180	196		cum	1	16.00	5.90	0.04	3.78	
						(5.4+6.4)/2			
		11th A Cross 17th Main Road							
0	30		cum	1	30.00	5.60	0.04	6.72	
						(6+5.2)/2			
30	60		cum	1	30.00	5.15	0.04	6.18	
						(5.2+5.1)/2			
60	90		cum	1	30.00	4.85	0.04	5.82	
						(5.1+4.6)/2			
90	108		cum	1	18.00	6.45	0.04	4.64	
						(4.6+8.3)/2			
		12th Cross 16th Main Road							
0	30		cum	1	30.00	5.95	0.04	7.14	
						(7.4+4.5)/2			
30	60		cum	1	30.00	4.70	0.04	5.64	
						(4.5+4.9)/2			
60	90		cum	1	30.00	4.80	0.04	5.76	
						(4.9+4.7)/2			
90	114		cum	1	24.00	5.55	0.04	5.33	
						(4.7+6.4)/2			
		13th A Cross 16th Main Road							
0	30		cum	1	30.00	6.40	0.04	7.68	
						(7.8+5)/2			
30	60		cum	1	30.00	5.25	0.04	6.30	
						(5+5.5)/2			
60	90		cum	1	30.00	5.65	0.04	6.78	
						(5.5+5.8)/2			
90	118		cum	1	28.00	7.55	0.04	8.46	
						(5.4+9.7)/2			
		11th E Cross 15th Main Road							
0	30		cum	1	30.00	7.60	0.04	9.12	
						(9.1+6.1)/2			
30	60		cum	1	30.00	5.95	0.04	7.14	
						(6.1+5.8)/2			
60	90		cum	1	30.00	5.75	0.04	6.90	
						(5.8+5.7)/2			
90	120		cum	1	30.00	5.60	0.04	6.72	
						(5.7+5.5)/2			
120	150		cum	1	30.00	5.60	0.04	6.72	
						(5.5+5.7)/2			
150	156.7		cum	1	6.70	5.85	0.04	1.57	
						(5.7+6)/2			

131.78

Assistant Executive Engineer, R.R. Nagar, Sub-division, KRIDL, BBMP, Bangalore
Contactor

PMC

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092
Assistant Executive Engineer

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
156.7	186.7		cum	1	30.00	6.05	0.04	7.26	
						(6.1+6)/2			
186.7	216.7		cum	1	30.00	5.95	0.04	7.14	
						(6+5.9)/2			
216.7	246.7		cum	1	30.00	5.95	0.04	7.14	
						(5.9+6)/2			
246.7	267.7		cum	1	21.00	6.10	0.04	5.12	
						(6+6.2)/2			
		Chithrakota Apartment Shanthisagar Hotel Cross Road							
0	30		cum	1	30.00	5.40	0.04	6.48	
						(6+4.8)/2			
30	60		cum	1	30.00	4.80	0.04	5.76	
						(4.8+4.8)/2			
60	79		cum	1	19.00	5.30	0.04	4.03	
						(4.8+5.8)/2			
		11th Cross 18th Main Road							
0	30		cum	1	30.00	6.05	0.04	7.26	
						(6.3+5.8)/2			
30	60		cum	1	30.00	5.80	0.04	6.96	
						(5.8+5.8)/2			
60	90		cum	1	30.00	5.70	0.04	6.84	
						(5.8+5.6)/2			
90	96.3		cum	1	6.30	5.65	0.04	1.42	
						(5.6+5.7)/2			
96.3	126.3		cum	1	30.00	6.55	0.04	7.86	
						(7.3+5.8)/2			
126.3	156.3		cum	1	30.00	5.70	0.04	6.84	
						(5.8+5.6)/2			
156.3	186.3		cum	1	30.00	5.60	0.04	6.72	
						(5.6+5.6)/2			
186.3	214.3		cum	1	28.00	6.80	0.04	7.62	
						(5.6+8)/2			
		14th Cross 20th Main Road							
0	30		cum	1	30.00	7.10	0.04	8.52	
						(8+6.2)/2			
30	60		cum	1	30.00	6.20	0.04	7.44	
						(6.2+6.2)/2			
60	90		cum	1	30.00	5.80	0.04	6.96	
						(6.2+5.4)/2			
90	120		cum	1	30.00	5.25	0.04	6.30	
						(5.4+5.1)/2			
120	150		cum	1	30.00	5.15	0.04	6.18	
						(5.1+5.2)/2			
150	176		cum	1	26.00	5.95	0.04	6.19	
						(5.2+6.7)/2			
		13th Cross Road							
0	15		cum	1	15.00	9.00	0.04	5.40	

141.44

Contactor

Assistant Executive Engineer, PMC
R.R. Nagar, Sub-division,
KRIDL, BBMP, Bangalore

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mananagara Palike
Bangalore - 560 092

MEASUREMENT SHEET - 1st and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
						(10.6+7.4)/2			
15	30		cum	1	15.00	6.65	0.04	3.99	
						(7.4+5.9)/2			
30	45		cum	1	15.00	6.00	0.04	3.60	
						(5.9+6.1)/2			
45	60		cum	1	15.00	8.20	0.04	4.92	
						(6.1+7.4+11.1)/3			
60	82		cum	1	22.00	10.05	0.04	8.84	
						(11.1+9)/2			
		McDonald's Road							
0	15		cum	1	15.00	6.95	0.04	4.17	
						(7.4+6.5)/2			
15	30		cum	1	15.00	6.05	0.04	3.63	
						(6.5+5.6)/2			
30	45		cum	1	15.00	5.50	0.04	3.30	
						(5.6+5.4)/2			
45	60		cum	1	15.00	5.40	0.04	3.24	
						(5.4+5.4)/2			
60	75		cum	1	15.00	4.85	0.04	2.91	
						(5.4+4.3)/2			
75	90		cum	1	15.00	4.45	0.04	2.67	
						(4.3+4.6)/2			
90	105		cum	1	15.00	4.75	0.04	2.85	
						(4.6+4.9)/2			
105	119		cum	1	14.00	5.40	0.04	3.02	
						(4.9+5.9)/2			
		Cross Road							
0	15		cum	1	15.00	5.90	0.04	3.54	
						(6.4+5.4)/2			
15	30		cum	1	15.00	5.40	0.04	3.24	
						(5.4+5.4)/2			
30	45		cum	1	15.00	5.70	0.04	3.42	
						(5.4+6)/2			
45	63		cum	1	18.00	6.00	0.04	4.32	
						(6+6)/2			61.66
							TOTAL	421.49	
							Quantity Limited to	421.39	

Item no.10		Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm aea thickness of 2.5 mm exclusive of surface applied glass beads as per IRC;35 the finished surface to be level , uniform and free from streaks and holes complete as per specification and as per the directions of the Engineer-in-charge of the work .							
		Sahakara Nagar F Block							
		10th Cross 15th Main Road							
0	209		Sqm	2	209.00	0.10		41.80	
0	209		Sqm	0.5	209.00	0.10		10.45	
		13th 15th Main Road							
0	196		Sqm	2	196.00	0.10		39.20	

91.45

Contactor PMC Assistant Engineer Assistant Executive Engineer

Assistant Executive Engineer, R.R. Nagar, Sub-division, KRIDL, BBMP, Bangalore

Assistant Executive Engineer Kodigehalli Sub Division Bruhat Bangalore Mahanagara Palike Bangalore - 560 092

MEASUREMENT SHEET - 1st and FINAL BILL									
Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
0	196		Sqm	0.5	196.00	0.10		9.80	
		11th A Cross 17th Main Road							
0	108		Sqm	2	108.00	0.10		21.60	
		12th Cross 16th Main Road							
0	114		Sqm	2	114.00	0.10		22.80	
		13th A Cross 16th Main Road							
0	118		Sqm	2	118.00	0.10		23.60	
		11th E Cross 15th Main Road							
0	267.7		Sqm	2	267.70	0.10		53.54	
		Chithrakota Apartment Shanthisagar Hotel							
0	79		Sqm	2	79.00	0.10		15.80	
		11th Cross 18th Main Road							
0	214.3		Sqm	2	214.30	0.10		42.86	
		14th Cross 20th Main Road							
0	176		Sqm	2	176.00	0.10		35.20	
		13th Cross Road							
0	82		Sqm	2	82.00	0.10		16.40	
		McDonald's Road							
0	119		Sqm	2	119.00	0.10		23.80	
		Cross Road							
0	63		Sqm	2	63.00	0.10		12.60	278
							TOTAL	**369.45**	
							Quantity Limited to	**362.92**	

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.
Bangalore.

Contractor

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
R.R. Nagar, Sub-division,
KRIDL, BBMP, Bangalore

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092